

Work Order ID 148849

Tuesday, July 12, 2016 8:49:23 AM

148849

Page 1

Item ID: D3536-25 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Gasket Center
 Start Date: 7/14/2016 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 7/15/2016 Req'd Qty: 8.00 ***8*** Customer:
 Reference: **DAS**

Approvals: Process Plan: **21** Date: **JUL 13 2016** Tooling: Date: Run Start ***NR1***
9-89 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3536	Rev A								

100 FLOW WATER JET 0.01
100
 Waterjet Memo 0.07
 FLOW CNC Waterjet 1-Cut as per Dwg D3536 Dwg Rev: **A** Prog Rev: **A** 2-
 Deburr if necessary

110 QC2- Inspect parts off machine FAI/FAIB 0.00
110
 QC Memo 0.01
 Quality Control

120 QC8- Inspect parts - second check 0.00
120
 QC Memo 0.03
 Quality Control

DAS
38
9-89

JUL 28 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause		FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Work Order ID 148849***148849***

Page 2

Tuesday, July 12, 2016 8:49:23 AM

Item ID: D3536-25

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Gasket Center

Start Date: 7/14/2016 Start Qty: 8.00

8

Cust Item ID:

Required Date: 7/15/2016 Req'd Qty: 8.00

8

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: FP-001

0.00

130

Packaging

Memo

0.01

Packaging

✓ LOCATION : FP001

X16 d lll 16/07/29

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.13

Quality Control

HJ/Kyle 16/07/28DAS
21
9-29

JUL 28 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER :									

Picklist Print

Tuesday, July 12, 2016 8:49:22 AM

Page 1

Work Order ID: 148849

148849

Parent Item: D3536-25

D3536-25

Parent Item Name: Gasket Center

Start Date: 7/14/2016

Required Date: 7/15/2016

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A New Issue 07-02-14 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MNEO60S.063		Purchased	No			100	sf	193.4000	0.5956	5.294222			

MNEO60S 063

NEOPRENE SHEET 0.063

on 16/07/27

Location

Loc Qty

Loc Code

MAT052

193.4

M133744

9

M134972

184.4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Misidentified ☐	Past Due ☐																																																														

DART AEROSPACE LTD		Work Order:	148849
Description: Gasket		Part Number:	D3536-25
Inspection Dwg: D3536 Rev: A		Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
21.80	+/-0.030	12.80	/		Tape	
16.35	+/-0.030	16.35	/			
10.90	+/-0.030	10.90	/			
5.45	+/-0.030	5.45	/			
6.00	+/-0.030	6.00	/			
6.75	+/-0.030	6.75	/			
12.75	+/-0.030	12.75	/			
1.89	+/-0.030	1.89	/			
0.30	+/-0.030	.30	/			
0.30	+/-0.030	.30	/			
Ø0.19	+0.005/-0.001	Ø.19	/			

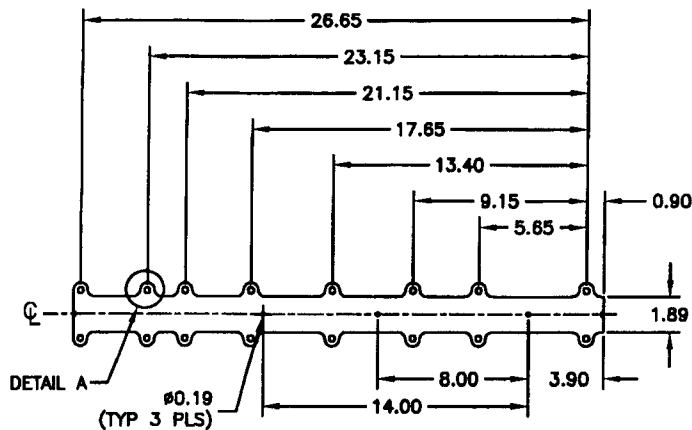
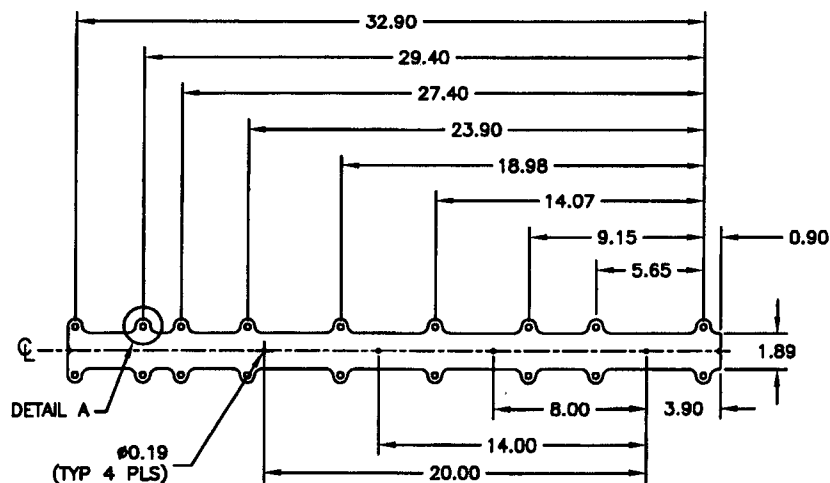
Measured by:	de	Audited by:	38 9-89	Prototype Approval:	N/A
Date:	16/07/27	Date:	JUL 28 2016	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	07.06.13	New Issue	KJ/JLM	BE

DARTRELEASED
09-02-12-11

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 148849 U.S.
1607-13

**D3536-11 GASKET****D3536-13 GASKET****NOTES**

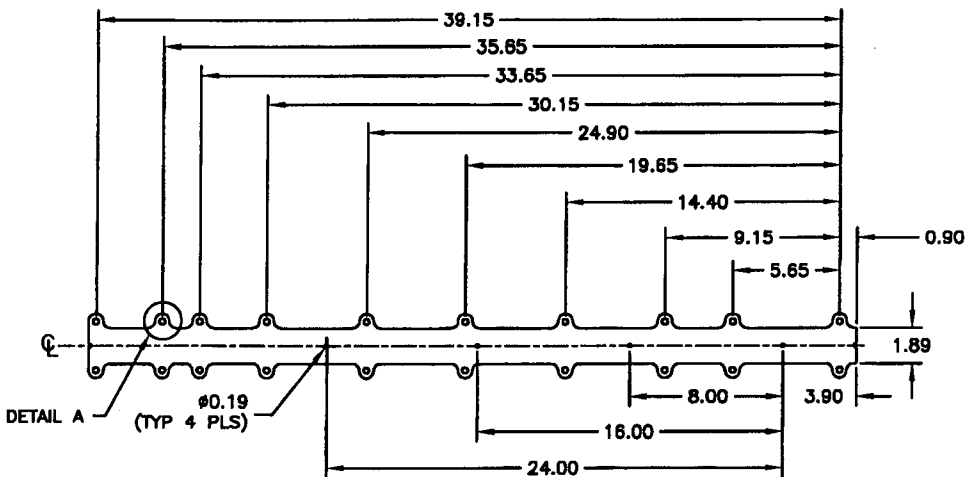
- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NE060-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT ϕ
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

DESIGN	CB	DRAWN BY	CB	DART AEROSPACE USA, INC.
CHECKED	PH	APPROVED	PH	PORT HADLOCK, WA
DATE	06.10.25	TITLE	D3536	REV. A
			GASKET	SHEET 1 OF 6
A	06.10.25	NEW ISSUE		SCALE 1:10

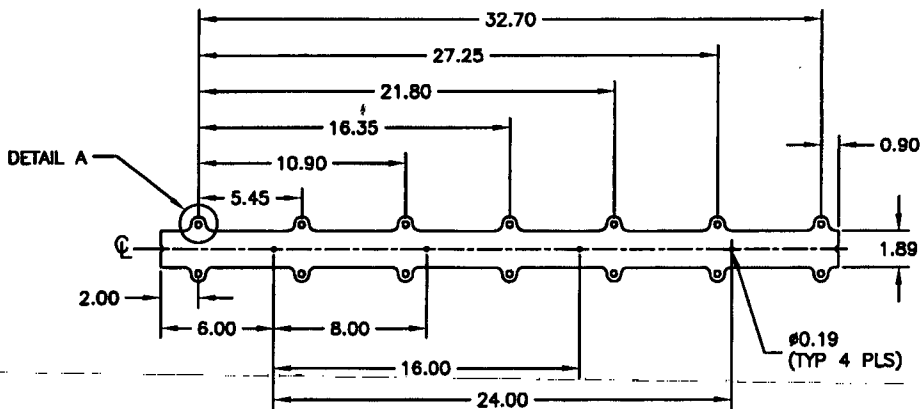
DART

DESIGN	C.B.	DRAWN BY	C.B.	DART AEROSPACE USA, INC.	
CHECKED	CH	APPROVED		DRAWING NO.	D3536
DATE	06.10.25	TITLE	GASKET	REV. A	SHEET 2 OF 6
				SCALE	1:10

RECEIVED
07.02.12



D3536-15 GASKET



D3536-21 GASKET

NOTES

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60
DUROMETER (REF DART SPEC. M-NEO60-S-063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT C
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT
PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

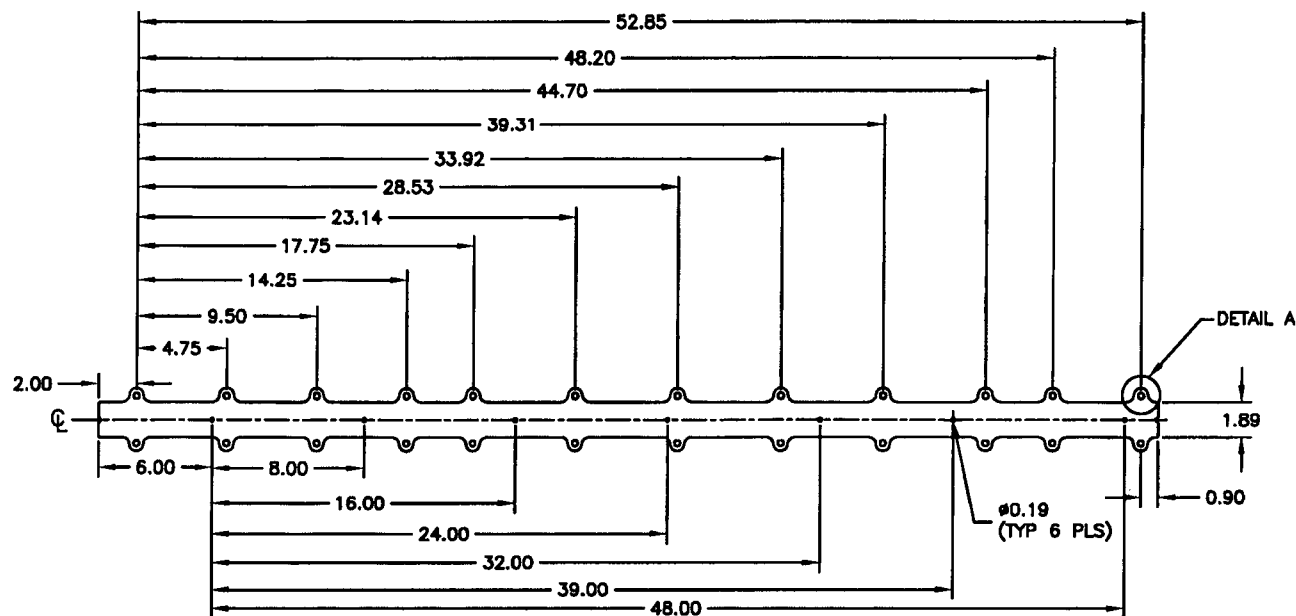
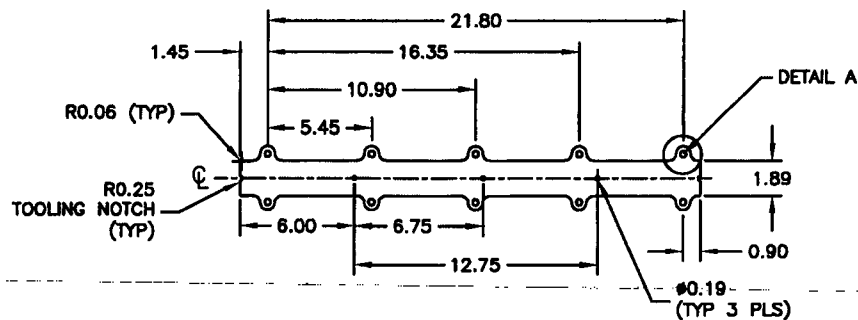
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DART

DESIGN CB	DRAWN BY CB	DART AEROSPACE USA, INC. PORT HADLOCK, WA
CHECKED PH	APPROVED PH	
DATE 06.10.25	DRAWING NO. D3536	REV. A
	TITLE GASKET	SHEET 3 OF 6
	SCALE 1:10	

**D3536-23 GASKET****D3536-25 GASKET****NOTES**

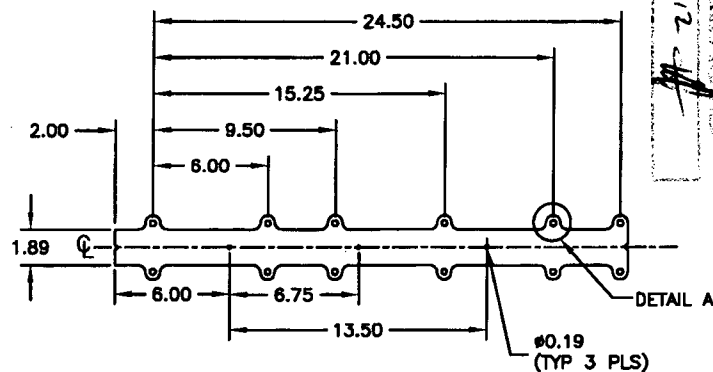
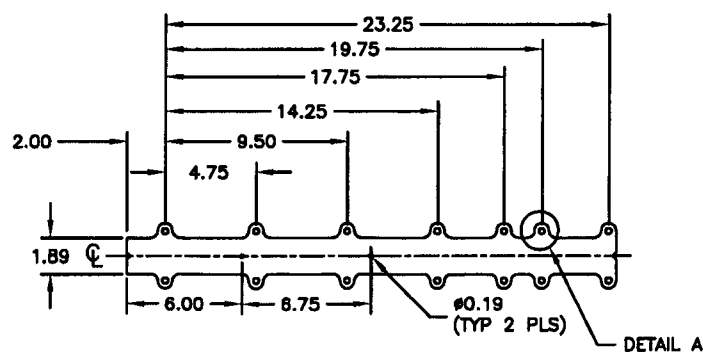
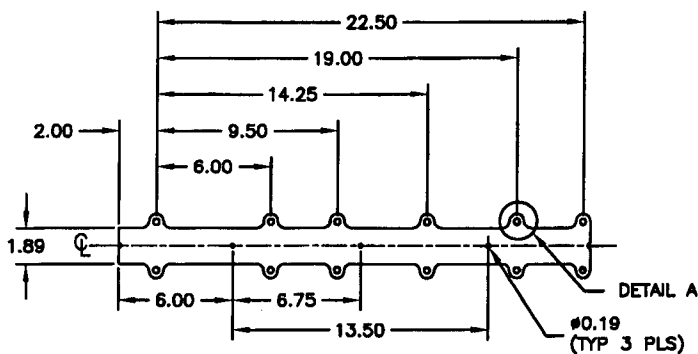
- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NE060-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT C
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
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- 6) IDENTIFY WITH DART P/N USING A WHITE FINE-POINT PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

DART

DESIGN	CB	DRAWN BY	CB	DART AEROSPACE USA, INC.
CHECKED	PH	APPROVED	PH	PORT HADLOCK, WA
DATE	06.10.25	TITLE	D3536	REV. A
			GASKET	SHEET 4 OF 6
				SCALE 1:10

07.02.12

RELEASING

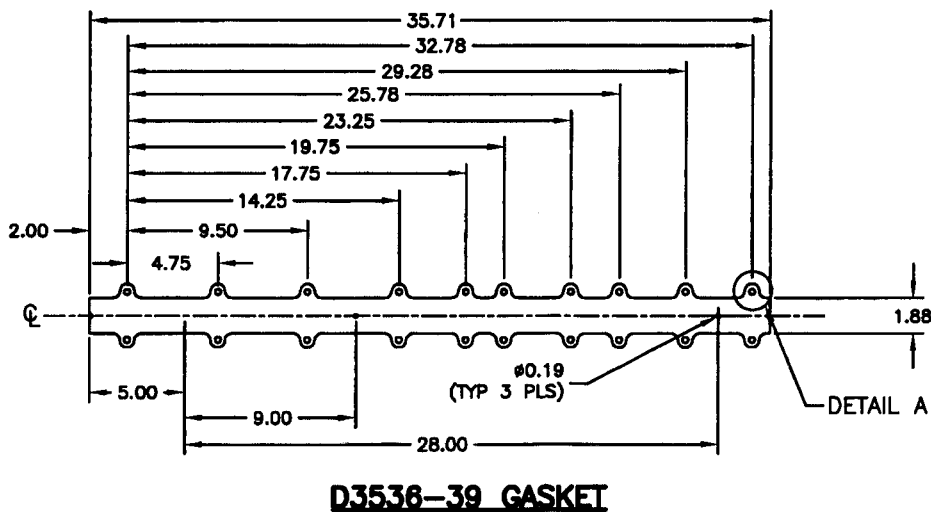
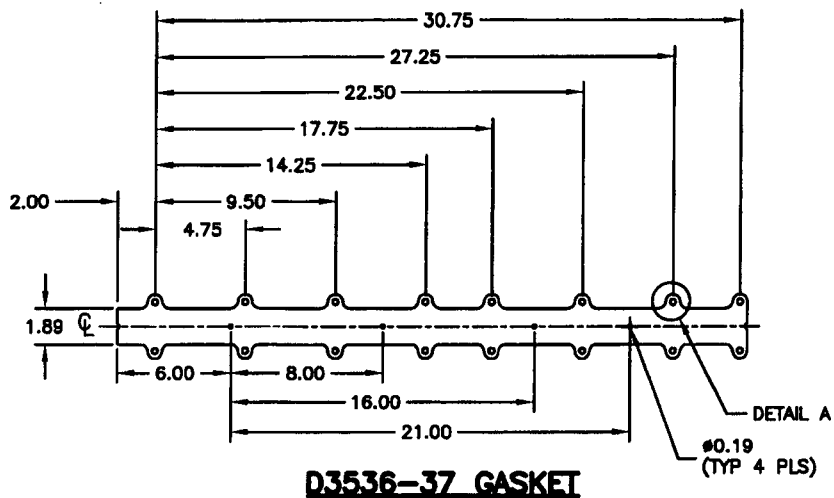
**D3536-33 GASKET****D3536-35 GASKET****D3536-31 GASKET****NOTES**

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NEO80-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT ϕ
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY WITH DART P/N USING A WHITE FINE POINT PERMANENT INK MARKER
- 7) SEE PAGE 6 FOR DETAILS AND SECTION

DART

DESIGN	C.B.	DRAWN BY	C.B.	DART AEROSPACE USA, INC.
CHECKED	PH	APPROVED	PH	PORT HADLOCK, WA
DATE	06.10.25	TITLE	D3536	REV. A
			GASKET	SHEET 5 OF 6
				SCALE 1:10

07.02.12 C.B.



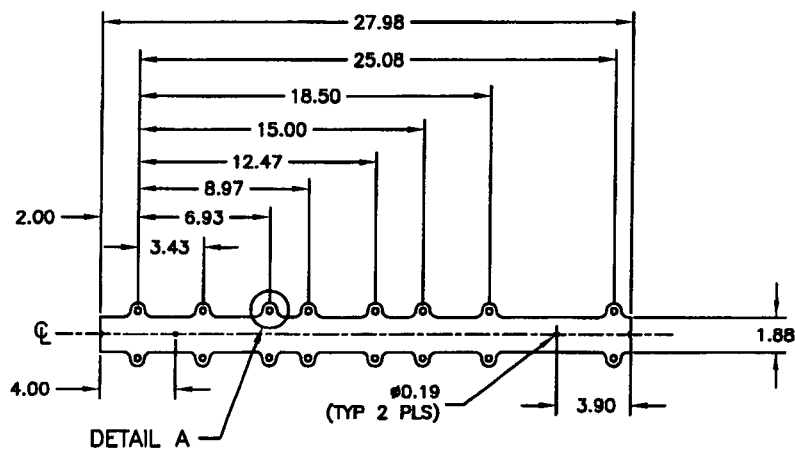
NOTES

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 80 DUROMETER (REF DART SPEC. M-NE080-S.063)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT ϕ
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
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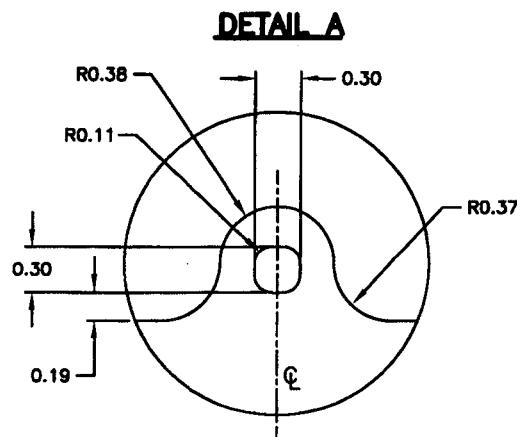


07.02.12
H

DESIGN	C.B.	DRAWN BY	C.B.	DART AEROSPACE USA, INC.
CHECKED	H	APPROVED	H	PORT HADLOCK, WA
DATE	06.10.25	DRAWING NO.	D3536	REV. A
		TITLE	GASKET	SHEET 6 OF 6
		SCALE	1:10	



D3536-41 GASKET



NOTES

- 1) MATERIAL: BLACK NEOPRENE SHEET, 1/16 THICK, 60 DUROMETER (REF DART SPEC. M-NE060-S.063)
- 2) FINISH: NONE
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